

User Manual



## I. INTRODUCTION



To ensure your safety and the safety of others, please ensure that you read all the safety information before operating this product.

Keep this information in a safe place for future reference.



This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

### Safety Considerations.

- ▶ Position the cables so that they cannot be walked on or pinched by items placed on or against them.
- ▶ Do not use the set top box in humid or damp conditions.
- ▶ Do not allow the set top box to get wet.
- ▶ Do not expose the set top box to dripping or splashing.
- ▶ Do not place water filled objects such as vases on top of the set top box.
- ▶ Do not place naked flame sources, such as candles, on the top of the set top box.

### Ventilation

The slots and openings on the set top box are for ventilation. Do not cover or block them as it may cause overheating.

**NEVER** let children push anything into the holes or slots on the case.

### Servicing

There are no user serviceable parts in this set top box.

### Battery Disposal

Please ensure batteries are disposed of safely.

Never dispose of batteries in a fire or with other household waste.

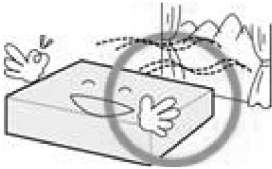
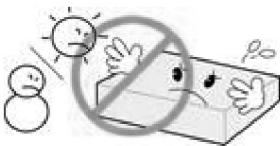
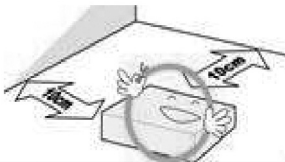
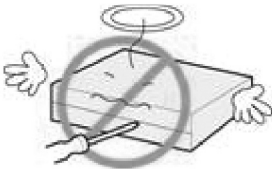
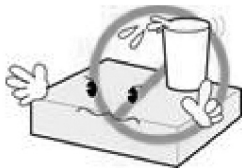

Check with your local authority for disposal regulations.

## Cleaning

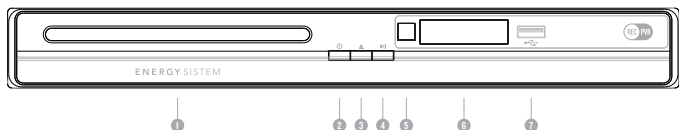
**ALWAYS** unplug the set top box before you clean it.

Do not use liquid or aerosol cleaners.

Clean the set top box with a soft, damp (not wet) cloth.

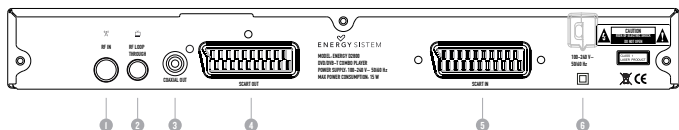
D2800 handling and care	
Place the product in a well-ventilated area	Don't install it in the cold or under direct sunlight
	
Leave a minimum 10cm gap all around the product	Do not disassemble, repair, or reorganize the product
	
Don't place cups with water or other liquids on the top of the product	Don't place objects on the top of the product
	

## 2. FRONT PANEL



1. **DISC TRAY.**
2. **POWER:** Used to switch the set top box **ON** or **STANDBY**.
3. **OPEN/CLOSE** button.
4. **PLAY/PAUSE** button.
5. **REMOTE CONTROL SENSOR:** Used to receive the signal from the Infrared (IR) remote control.
6. **LED display.**
7. **USB CONNECTOR:** Used to attach your external USB hub/card reader/storage device.

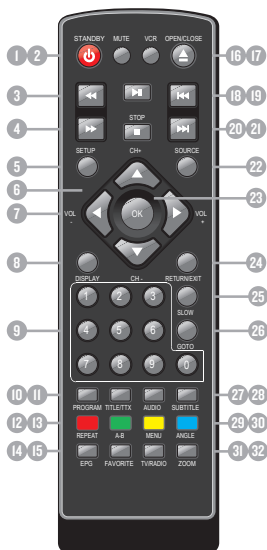
## 3. REAR PANEL



1. **RF IN:** This socket connects to your external aerial.
2. **RF LOOPTHROUGH:** This socket will bypass the RF signal to either your TV or another video system.
3. **COAXIAL:** This socket connects to a S/PDIF RCA socket on your surround sound system.
4. **SCART OUT:** This socket connects to your TV.
5. **SCART IN:** This socket connects to either a VCR or other video system.
6. **MAINS CABLE:** This is used to connect to your main power supply.

## 4. REMOTE CONTROL

### 4.1. BUTTON DESCRIPTIONS



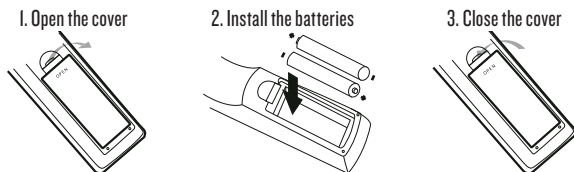
1. **STANDBY:** Switch the set top box between on and standby mode.
2. **MUTE:** Mute/unmute the sound.
3. **REV:** Fast backward at selectable speeds.
4. **FWD:** Fast forward at selectable speeds.
5. **SETUP:** Open the setup menu window.
6. **CH+/-:** Move around the menu screens or change the channels in normal play mode.
7. **VOL+/-:** Move around the menu screens or change the volume in normal play mode.
8. **DISPLAY:** Display information about the channel being viewed or further information about the program when in normal play mode.
9. **NUMBER KEYS:** Select channel numbers or input numbers in menus.
10. **PROGRAM:** Program the playback order.
11. **TITLE/TTX:** Title menu in DVD mode / Teletext in DVB-T mode.  
**COLOR KEYS (RED/GREEN/YELLOW/BLUE):** Operate different functions in TEXT screen or other menus.
12. **REPEAT:** Change between repeat options.
13. **A-B:** Define an interval and repeat it.
14. **EPG:** Display information about the program being viewed and what's on next.
15. **FAVORITE:** Access your favourite channels.
16. **VCR:** Switch between SCART input and DVD/DVB-T.
17. **OPEN/CLOSE:** Open/close the disc tray.
18. **PLAY/PAUSE:** Pause or playback the program being viewed.
19. **PREVIOUS:** Go to previous chapter/track/file or to the beginning of the currently playing one.
20. **NEXT:** Go to the next chapter/track/file.
21. **STOP:** Stop the current recording if exists or stop the playback.
22. **SOURCE:** Change between disc and tuner modes.
23. **OK:** Confirm a selection within a menu.
24. **RETURN/EXIT:** Return to the previous screen or menu.
25. **SLOW:** Slow motion playback.
26. **GOTO:** Go to time point, title, chapter or file/folder depending on context.
27. **AUDIO:** Select the available audio track or set the sound mode as LR(stereo), LL(left), RR(right).
28. **SUBTITLE:** Switch among different available subtitles.
29. **MENU/MSM:** Main menu in DVD mode / Multiscreen Mosaic in DVB mode.
30. **ANGLE:** Selects a DVD camera angle if available.
31. **TV/RADIO:** Switch between TV channels and Radio stations.
32. **ZOOM:** Enlarges the image.

**Note:** SUBTITLES/TEXT/AUDIO may not be available for all channels.

## 4.2. INSTALLING THE BATTERIES

Remove the battery cover from the remote control and put 2xAAA size batteries inside the compartment.

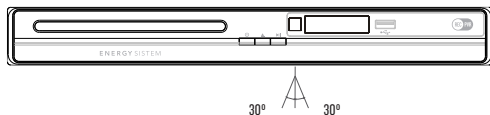
The diagram inside the battery compartment shows the correct way to install the batteries.



## 4.3. USING THE REMOTE CONTROL

To use the remote control point it towards the front of the digital set top box.

The remote control has a range of up to 7 metres (23 feet) from the set top box at an angle of up to 60 degrees.



The remote control will not operate if its path is blocked.

Sunlight or very bright light will decrease the sensitivity of the remote control.

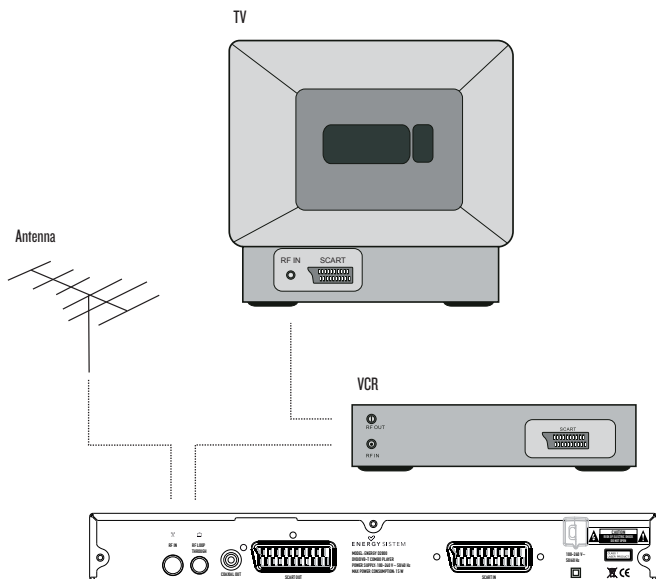
## 5. CONNECTIONS

**Caution:** Make sure to check that the voltage of the wall outlet has the same rating than the receiver.

To prevent the risk of electric shock, do not open the cover or the back of the receiver.

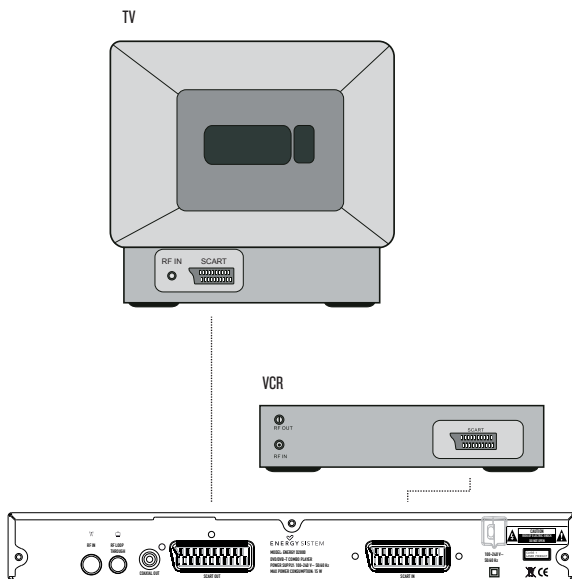
When connecting the receiver to other equipment (e.g. TV, VCR and amplifier) make sure to refer to relevant user manual for instruction. Also, make sure you disconnect all the equipments from the mains supply before the connection.

### 5.1. ANTENNA CONNECTION

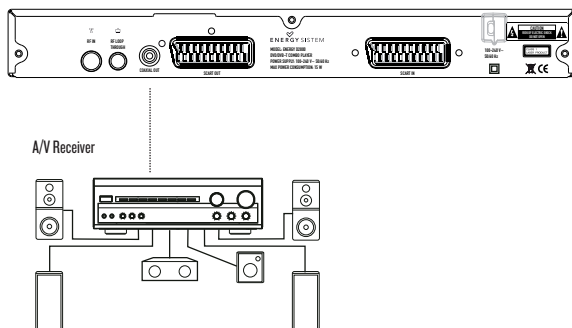




## 5.2. SCART CONNECTION



## 5.3. CONNECTING TO AN A/V RECEIVER WITH DIGITAL AUDIO INPUT



## 6. USER INTERFACE - MAIN MENU

Note that the first time you use D2800 it will automatically show the Setup->Installation screen in order to scan for TV and radio channels. Please refer to Setup->Installation in page 10.

Once the channel scan is finished and all the channels are stored into the database, you can start to watch the digital terrestrial TV channel or listen to the radio broadcast, some typical operations are given in this chapter.

Press <Menu> to enter Main Menu. See Figure I.

Press <Info> to display D2800 version information.

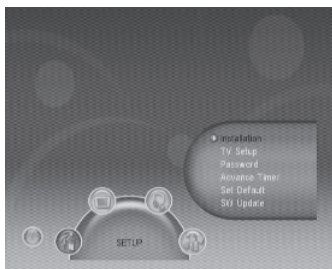


Figure I. Main Menu - Setup

### 6.1. SETUP

Set the system settings. See Figure I.

#### 6.1.1. Installation



Figure 2. SETUP - Installation



Figure 3. SETUP - Installation (continued)

Set the receiving and playing program settings of D2800. See Figure 2, Figure 3.

## Antenna Setting

Set the antenna power on or off to supply +5V power to antenna or not.

Note: The default is OFF, set this option to ON only if D2800 is connected to an active antenna which amplifies the received RF signal, otherwise please set it to OFF.

## Country Setting

Set the country for Auto Scan, Manual Scan and Time Zone.

Note: Change the Country Setting will automatically change the default Time Zone and set the default Frequency and Bandwidth for Auto Scan.

## OSD Language

Set the On Screen Display Language.

## Audio Language

Set the audio language for watching a program (availability depends on channel broadcaster).

## Subtitle Language

Set the language for displaying subtitle program (availability depends on channel broadcaster).

## LCN

Set the Logical Channel Number to ON or OFF.

Note: LCN is a number that uniquely identifies a logical channel, which is popular in some European countries such as England or France.

## Auto Time Zone / Time Zone

Allows you to enable or disable auto time zone update. If you know the GMT (Greenwich Mean Time) time zone offset of your location, set the Auto Time Zone to OFF and select an appropriate Time Zone, otherwise set it to ON and let the system update the time zone automatically according to the transport stream. See Figure 3.

Note: Some Countries are covered with more than one Time Zone.

## Auto Scan

Auto Scan will erase the database first, and scan default frequency and bandwidth by Country Setting.

Press <RED> button to start Auto Scan.

Press <OK> button to confirm clear action and start Auto Scan.

It costs time to do Auto Scan, you can press <Exit> button to exit at anytime. See Figure 4, Figure 5.

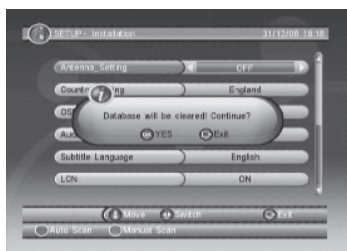


Figure 4. Clear database message

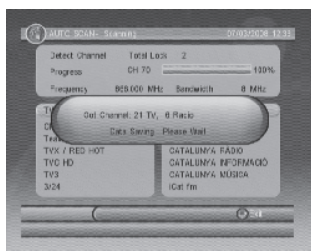


Figure 5. AutoScan Finished

## Manual Scan

Press <GREEN> button to start Manual Scan.

Manual Scan adds the scanning results into database, it doesn't erase the database. But you have to indicate the Frequency and Bandwidth for scanning. If you scan the same Frequency and Bandwidth more than once, the previous programs will be overwritten.

Press <GREEN> button to enter Manual Scan Page.

Press <Up/Down> button to select Frequency option.

Press <0-9> button to input the Frequency value.

Press <Up/Down> button to select Bandwidth option.

Press <Left/Right> button to set Bandwidth value.

Press <OK/Exit> button to start scan or exit. See Figure 6, Figure 7.



Figure 6. Manual Scan edit

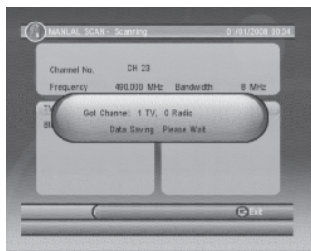


Figure 7. Manual Scan finished

## 6.1.2. TV Setup

Setup the display mode for TV. See Figure 8.

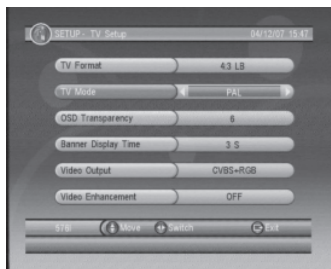


Figure 8. TV Setup

### TV Format

- ▶ 4:3LB(LetterBox): Typically for wide screen content on conventional 4:3 TV with black bars above and below the picture.
- ▶ 4:3PS(PanScan): Typically for wide screen content on conventional 4:3 TV with left and right edges cropped.
- ▶ 16:9PB(PillarBox)/16:9 AUTO: Typically for wide screen 16:9 TV.

### TV Mode

Set PAL, NTSC or AUTO for display. AUTO will switch PAL or NTSC by program content. This setting should be matched with user's TV.

### OSD Transparency

Set the On Screen Display transparency. "1" is the most transparent.

### Banner Display Time

Set Banner display time. Banner does not automatically disappear when set as "Always" and disappears at timeout when set to other values.

### Video Output

Set the video output mode to TV: CVBS or RGB.

### Video Enhancement

Set the Video Enhancement. See Figure 9.

Press <Up/Down> button to select Video Enhancement option.

Press <Left/Right> button to set Video Enhancement.

Press <Up/Down> button to select Flesh Tone or Black/White Expansion.

Press <Left/Right> button to set Flesh Tone and Black/White Expansion.



Figure 9. Video Enhancement

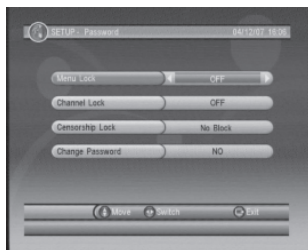


Figure 10. Password page

### 6.1.3. Password

Set password for menu, channel or censorship lock. And the user can change password here, the default Password is 6666. See Figure 10.

#### Menu Lock

Password-lock the menus.

#### Channel Lock

Lock the channel which has been set to lock status when turning on the Channel Lock. Please see section “Lock” on page 15 for details.

#### Censorship Lock

Lock the program by password and censorship threshold. The censorship info is in program content. Under the censorship rating, user has to enter the right password for watching program.

#### Change Password

To change the Password, select this option, press <Left/Right> button to trigger changing password and <0-9> buttons to enter old password, new password and confirm new password. If succeed, the Password Changed message will be displayed, otherwise the Password Error message will be displayed.

### 6.1.4. Advance Timer

User can set timer for watching the program by date and time manually or from the TV/Radio Guide(see section “Guide” on page 16). When scheduled date/time arrives, D2800 will automatically switch to the scheduled program. Press any key except <Vol-/Vol+/Mute> button, D2800 will ask you to abort it or not when watching booked program. You can delete the event while it is not running.

## 6.1.5. Set Default

Restore D2800 to factory default settings. All user settings will be restored to factory default values and the TV/radio channel database will be erased together.

## 6.1.6. SW Update

Updates D2800 firmware by USB.

## 6.2. TV/RADIO

There are two types of programs: TV and Radio.

The operation of the List and Guide of TV and Radio are almost the same. Herein take TV as an example.

### 6.2.1. List



Figure II. TV List

There are several options to manage channels:

#### Favorites

User can quickly arrange the favorite programs by favorite filter. There are 8 groups of favorite channels: News, Sport, Movie, Music, Shopping, Travel, Boy and Girl. Press <I-8> button to set or clear the favorite group when Favorites option is selected.

#### Lock

Lock will ask for the password before watching this program when Setup -> Password -> Channel Lock is turned on. Please see section "Channel Lock" on page 14 for details. Press <OK> button to set or clear lock status when Lock option is selected.

#### Edit

You can edit the program name, maximum length is 20 characters.

Press <Left/Right> button to select Edit option and <Up/Down> button to select the program.  
Press <OK> button to display program info and press it again to edit program name.  
Press <Up/Down/Left/Right/0-9/RED/GREEN> button to select the character.  
Press <OK> button to finish the editing and return to previous program info page.  
Press <RED> button to save the editing and return to List or press <Exit> button to return to List without saving.

### Move

Move will allow you to move the position of the channels in the list.  
Note: This option will not appear when SETUP->Installation->LCN is set to ON.

### Sort

Sort will allow you to sort the channels by A<->Z or Pay<->Free.  
Note: This option will not appear when SETUP->Installation->LCN is set to ON.

### Skip

Skip will skip the program when changing a program by CH+/- . Press <OK> button to set or clear skip status when Skip option is selected.

### Delete

Delete will delete the program permanently from the database. You must rescan to recover it.  
Press <OK/GREEN> button to set delete one or delete all when Delete option is selected.

### Search

User can search the program name by partial keyword.  
Press <Left/Right> button to select Search option.  
Press <OK> button to entry search page.  
Press <Up/Down/Left/Right/OK/0-9/RED/GREEN> button to input keyword.  
Press <OK> button to Search and return List. The matched program will be focused.  
Press <GREEN/YELLOW> button to the next or previous matched program.

## 6.2.2. Guide

Guide is also known as EPG (Electronic Program Guide). See Figure I2, Figure I3.  
Press <Up/Down> button to select program or EPG event.  
Press <Left/Right> button to change event or date.  
Press <OK> button to exit all the menus or show the detailed information of a selected event (availability depends on channel broadcaster).  
Press <Exit> button to exit to previous menu.



Press <RED> button to enter Book page and <YELLOW> button to save after edition. If it's in conflict with itself or other event, a conflict message will be displayed. The successful booking will be added to Main Menu-> Setup-> Advanced Timer (see section 6.1.4 on page 14).



Figure I2. Guide - Event



Figure I3. Guide - Event (detail)

## 6.3. MULTIMEDIA

Multimedia must be used with external USB device inserted, otherwise the "Device is not ready!" message will be displayed. If you remove the USB device a "Device is removed!" message will be shown and the system will return to Main Menu.

### 6.3.1. My Album

Use this option to view JPEG/BMP/GIF files.

If there are photos in the device root folder it will start in Thumbnail mode, otherwise it will start in Folder mode. Press <Blue> button to switch to Folder mode and <Exit> button to return to Thumbnail mode again.

The info (width x height and date) of selected photo will be displayed at the left bottom in Thumbnail mode and right up in Folder mode. See Figure I4, Figure I5.



Figure 14. My Album - Thumbnails

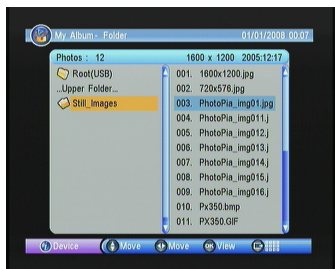


Figure 15. My Album - Folder

Use <Up/Down/Right/OK> to browse folders or files.

Press <OK> to view the selected photo and press again to start slide show.

Press <Info> to view the available functions.

### Zoom

Press <RED> to zoom in / zoom out the photo in view mode. The zoom factor can be:

25-50-100-150-200 %

If zoom factor is greater than 100% you can use <Up/Down/Left/Right> to move through the zoomed picture.

### Rotation

Press <Left/Right> to rotate clock/counterclockwise and <Yellow/Blue> to flip horizontal or vertical direction.

### Slide show

Press <OK> to view the photo in Thumbnail or Folder mode and press it again to start the slide show.

Press <Red> to play/pause the slide show.

Press <Green> to set background music while slide show is running.

Press <Yellow> to switch between repeating modes.

Press <Blue> to set the time gap between photos.

Press <Up/Down> to manually select the previous/next photo.

## 6.3.2. My Music

Use this option to listen to MP3/WMA files.

The music jukebox display includes (see Figure 16, Figure 17):

- ▶ Progress bar with elapsed and total playing time.
- ▶ Audio spectrum visualizer.

Press <Up/Down/Left/Right/OK> to browse folders and files.

Press <RED> to play or pause.

Press <GREEN> to stop.

Press <YELLOW> to set play mode as Repeat All / Repeat Random / Repeat Off.

Press <BLUE> to set fast forward speed as x2 / x3 / x4 / normal.

Press <Left/Right/Mute> button to adjust volume while playing.

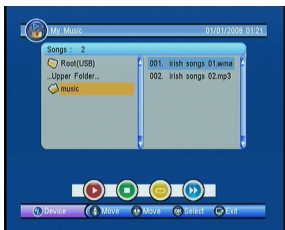


Figure I6. My Music - Browser

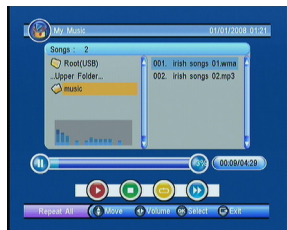


Figure I7. My Music - Play

### 6.3.3. My Movie

My Movie can play most of MPEG2, DivX, Xvid standard-resolution files.\*

It displays the playing file name at the top left corner and use the INFO key to get the current playing time and total time information while playing. See Figure I8, Figure I9.

Press INFO button to select device if an external USB hub connected while browsing, and to show the control info bar while playing.

Press <UP/DOWN/LEFT/RIGHT/OK> to select folders and files during browsing

Press <OK> button to select a file to play.

Press <RED> button to play or pause while playing.

Press <GREEN> button to play the frame one by one while playing.

Press <YELLOW> button to set fast backguard speed as x2,x4,x8,x16,x32, normal.

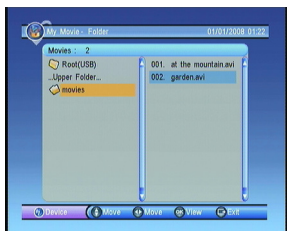


Figure 18. My Movie - Browser



Figure 19. My Movie - Play

\* Multimedia files compatibility depends on container file format and audio / video codec

### 6.3.4. My Record

Within My Record you can view the programs already recorded and configure recording options.

Note: the external storage device file system must be FAT or FAT32.

#### ► Recorded List

View or delete recorded programs.

#### ► Recording Device

Select the storage device and partition where the recordings will be stored.

#### ► Recording Preference

##### Time Shift Size

Note that Time Shift Size is calculated automatically according to the current storage device or partition and cannot be modified.

##### Time Shift

Pause: Timeshift starts when <Pause> button is pressed.

Auto: Timeshift is continuously active.

Off: Timeshift disabled

##### One Button recording

On: D2800 starts recording with a simple <Record> button press.

Off: After pushing <Record> you have to specify the length of the recording.

##### Default recording period

Specify the default recording period from 15 minutes to 8 hours in 15-minutes steps.



Figure 20. My Record



Figure 21. Recorded list



Figure 22. Recording Device



Figure 23. Recording Preferences

## 6.4. ACCESSORY

There are three options: Gomoku, Calendar, Calculator.

### 6.4.1. Gomoku

Press <Up/Down/Left/Right> button to set play mode and difficulty. Press <OK> button to start play Gomoku.

Press <Up/Down/Left/Right> button to select the position. Press <OK> button to place the piece.

### 6.4.2. Calendar

Displays the year, month and day.

### 6.4.3. Calculator

For mathematical calculations.

## 7. NORMAL PLAY

Normal Play means D2800 under watching TV or listening to the Radio. See Figure 24, Figure 25, .



Figure 24. Normal Play - TV

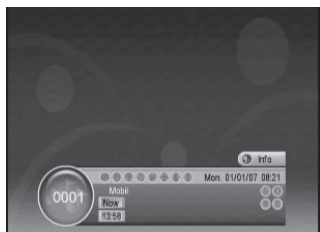


Figure 25. Normal Play - Radio

### 7.1. INFORMATION

Press <Info> button once to display info banner. Banner displays the program No., favorite setting, current time, program name, now and next event, lock, scramble, subtitle and teletext info. See Figure 26.

Press <Info> button when banner exists to display detailed info of a present event

Press <Info> button when detail exist to display current program info. See Figure 27.



Figure 26. Information banner

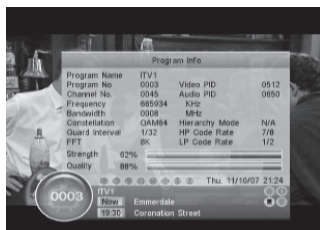


Figure 27. Program Info

### 7.2. SWITCH PROGRAM

User can switch program by <CH+/-> or input channel number directly. If the input program number doesn't exist, D2800 will ignore the input.

Press <Recall> button to switch to the last watched channel from the current program.

### 7.3. VOLUME

Press <Vol-/Vol+> button to adjust the volume. Press <Mute> button to mute.

If you adjust the volume while on mute, mute will be cancelled.

## 7.4. PROGRAM LIST

Press <OK> button to display Program List with No., name and lock/scramble/skip status. See Figure 28.

Press <Up/Down/Left/Right> to change the channel. Press <OK/Exit> to return to the normal play mode.

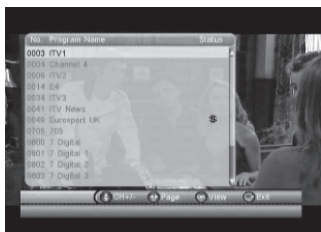


Figure 28. Program List

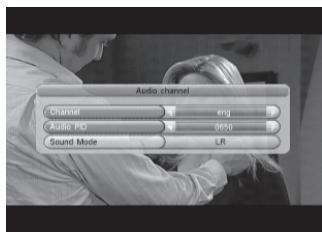


Figure 29. Audio Channels

## 7.5. AUDIO

Switch the sound channel and switch sound mode to LR(stereo) or LL(left) or RR(right). If setting audio language at Setup->Installation->Audio Language, the audio channel default language will be chosen by setting. See Figure 29. Press <Audio> button to display the audio channel page.

Press <Up/Down> button to select Channel/Audio PID or Sound Mode option.

Press <Left/Right> button to set the value.

## 7.6. PAUSE

Pause video and audio. But it will be cancelled by any input.

## 7.7. FAVORITES

User can switch the favorite programs in the same favorite group. About favorites settings, see section "Favorites" on page 15 for details.

Press <YELLOW> button to switch to the favorite group in Program list.

Press <CH +/-> button to switch to the same favorite program in normal play mode.

## 7.8. TELETEXT

Display teletext on screen, the style of teletext may be different by content provider. See Figure 30, Figure 31.

Press <Text> button to display the teletext setting page.

Press <Up/Down> button to select the teletext language if the program has teletext (availability depends on channel broadcaster).

Press <OK/Exit> button to exit the teletext setting page.

Press <0-9/Up/Down/Left/Right> button to change teletext page (if available).

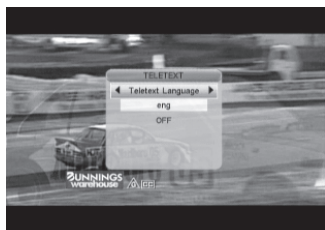


Figure 30. Teletext settings

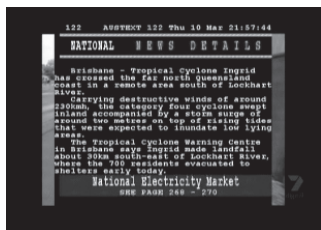


Figure 31. Teletext

## 7.9. SUBTITLES

Display subtitles on screen. The style of subtitles may be different by content provider (availability depends on channel broadcaster). See Figure 32, Figure 33.

Press <Subtitle> button to display subtitle setting page.

Press <Up/Down> button to select subtitle language, if subtitles are available.

Press <OK/Exit> button to exit subtitle setting page.



Figure 32. Subtitle settings



Figure 33. Subtitles

## 7.10. TELETXT SUBTITLE

Display subtitle by teletext, the style of the teletext subtitle may be different by content provider (availability depends on channel broadcaster). See Figure 34, Figure 35.



Press <Text/Subtitle> button to display teletext or subtitle setting page. Press <Left/Right> button to select "TTX Subtitle".

Press <Up/Down> button to select teletext subtitle language. Press <OK/Exit> button to exit the setting page.

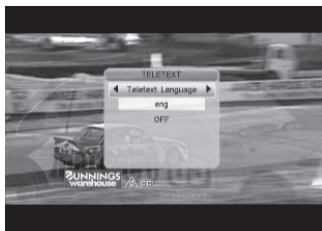


Figure 34. Teletext language



Figure 35. Teletext subtitles

## 7.11. GUIDE

Press <GUIDE> button at normal play state, see section "Guide" on page 16 for details.

## 7.12. LIST

Press <GREEN> button at normal play state, see section "List" on page 15 for details.

## 7.13. MSM : MULTI SCREEN MOSAIC – EASY ZAPPING

MSM (MultiScreen Mosaic) can display 9 programs on screen at the same time. The highlighted program is playing and the other channels will display a snapshot. See Figure 36. Press <YELLOW> button to display MSM.

Press <Up/Down/Left/Right> button to browse program.

Press <OK> button to switch program and watch it.

Press <Exit> button to return normal play mode.



Figure 36. MultiScreen Mosaic

## 7.14. MESSAGES

There are some messages to inform user the current status of the D2800.

- ▶ **No Signal**  
If D2800 can't get the signal, for example if the antenna cable is disconnected.
- ▶ **No Service**  
Program doesn't have any contents to play.
- ▶ **Encoded Service**  
Program is encoded for payment, you need to contact with the content provider to know how to decode it.
- ▶ **Antenna Overload**  
The power of antenna is overloaded.
- ▶ **HDTV Not Support**  
If the program content is HDTV format, D2800 doesn't support it.
- ▶ **Channel Locked**  
Program is locked by setting lock (see section "Lock" on page I5) and turning on channel lock in password setting (see section "Channel Lock" on page I4). You must input the correct password to watch the channel. See Figure 37.



Figure 37. Password-locked channel

## 8. DVD PLAYBACK

### 8.1. MAIN SETUP

Press STOP when playing disc and then press SETUP to access this menu.

#### 8.1.1. Language Setup

- ▶ OSD: Change the language of the text that appear at the user interface.
- ▶ Menu: Selects the default menu language when a DVD is used.
- ▶ Audio: Change the default audio language.
- ▶ Subtitle: Select the default subtitle language.
- ▶ Encoding: Select the text codification to match the codification used in the subtitle files associated to MPEG4 videos.

#### 8.1.2. Screen Setup

- ▶ TV Type: 4:3PS 4:3LB 16:9
- ▶ TV System: NTSC PAL Auto
- ▶ Video Output: RGB CVBS
- ▶ Brightness: Soft, Normal, Bright
- ▶ Contrast: -4 ... +4

#### 8.1.3. Audio Setup

- ▶ Digital Out: Off, SPDIF/RAW, SPDIF/PCM
- ▶ Downmix: Lo/Ro, Lt/Rt

#### 8.1.4. Custom Setup

- ▶ Angle Mark: On/Off
- ▶ Parental Control
- ▶ Password
- ▶ Default

### 8.2. MULTIMEDIA FILES PLAYBACK

D2800 supports the most common multimedia formats.

- ▶ Audio: MP3, MP2, WMA
- ▶ Video: DAT, MPG, VOB, AVI
- ▶ Picture: JPEG

Browse the disc's contents with the directional buttons and press Ok to select files/folders.

When the selected file is an audio file then in the lower-left corner information about sampling frequency, bitrate and length will be displayed.

If the selected file is an image then the resolution and creation date will be displayed.

## 9. TROUBLESHOOTING

If you experience problems with this receiver or its installation, in the first instance please read carefully the relevant sections of this User Manual and this Troubleshooting section.

Problem	Possible cause	What to do
Standby LED not lit	Mains lead unplugged	Check mains lead
No signal found	Aerial is disconnected. Aerial is damaged/misaligned. Out of digital signal area.	Check aerial lead. Check aerial. Check with dealer.
No picture or sound	Viewing incorrect SCART output	Press the DTV/VCR button
	Tuned to digital teletext channel	Change to another channel
Mosaic blocks in picture or picture freezes	Aerial may not be compatible	Check aerial
Scrambled channel message	Channel is scrambled	Select an alternative channel
Forgotten channel lock code		Re-install channels to cancel channel lock
No response to remote control	Receiver off	Plug in and turn on receiver
	Remote control not aimed correctly	Aim the remote control at front panel
	Front panel obstructed	Check for obstructions
	Remote control batteries are inserted incorrectly	Check batteries direction
	Remote control batteries exhausted	Replace remote control batteries
After moving the device to another room can't receive the digital signal	The aerial feed may come through a distribution system which may reduce the digital signal	Try a direct feed from antenna

## 10. SPECIFICATIONS

Item	Specification	
Tuner	Frequency range	VHF: 174 — 230 MHz / UHF: 470 — 862 MHz
	Input Impedance	75 Ohms unbalanced
	Signal input level	-78 — -25 dbm
	Bandwidth	7/8 MHz
Modulation	Demodulator	COFDM
	OFDM Modulation	2k, 8k FFT, SFN and MFN
Connectors	RF in	IEC I69-2 female connector
	RF loopthrough	IEC I69-2 male connector
	SCART TV	Composite video (CVBS), RGB, audio L/R
	SCART VCR	Composite video (CVBS), audio L/R
	Coaxial	RCA, S/PDIF digital audio output
	USB 2.0	Multimedia playback and DVB-T recording
Power	Input	100—240 V 50—60 Hz
	Consumption	10 W max.
Display	TV System	PAL, NTSC
	Resolution	CVBS/RGB: 720 x 480i, 720 x 576i
	Aspect Ratio	4:3 (Letterbox, Pan & Scan), 16:9
Decoding	Video	MPEG 2 Transport MP@ML
	Audio	MPEG 2 audio layer I & II
Others	Compliance	ETSI EN 300 744 DVB-T
Multimedia Formats	Video	MPEG2, DivX, Xvid
	Audio	MP3, WMA
	Photo	JPEG, GIF, BMP

Specifications are subject to change without further notice.

## WARRANTY

Energy Sistem Soyntec S.A. warrants its products to be free from defects in materials and workmanship at the time of purchase.

The warranty period is 36 months from the date of purchase for DVB-T STB receivers.

## WARRANTY PROCEDURE

- ▶ Visit the Support section at <http://support.energysistem.com> and select your product to view the FAQ (Frequently Asked Questions). The solution to your problem is very likely to have been already published there. You will also be able to download user manuals, user guides, drivers and updates.
- ▶ If you cannot find an appropriate solution in the Support section, you may send us your enquiry or warranty service request by email: [support@energysistem.com](mailto:support@energysistem.com)
- ▶ Alternatively, you may prefer to contact the distributor from which you purchased the product, presenting the purchase receipt or invoice.

Specifications are subject to change without notice.

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## DECLARATION OF CONFORMITY

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NIF: A53107488

We declare under our own exclusive responsibility that the product:

Energy Sistem® DVD Player / DVB-T Recorder Energy™ D2800

Is in compliance with the essential directives, norms and standards of the European Union 89/336/EEC (EMC Directive).

Manufacturing country: China



